Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
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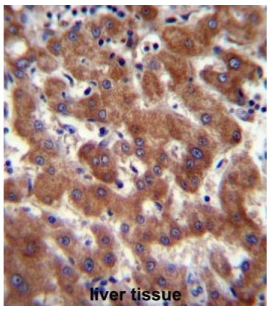
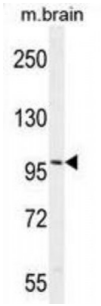
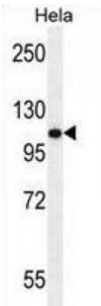
DATASHEET

Androgen Receptor (AR) Antibody

Catalogue No.:abx025053







Androgen receptor has 3 major functional domains: the N-terminal domain, DNA-binding domain, and an androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. The gene for this protein contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of the protein. Expansion of the polyglutamine tract causes spinal bulbar muscular atrophy (Kennedy disease). Mutations are also associated with complete androgen insensitivity (CAIS). PIAS1 and PIASxalpha function as SUMO-E3 ligases toward androgen receptor; sumoylation of ANDR represses androgen receptor dependent transcription.

Target:	Androgen Receptor
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal

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Tested Applications: WB, IHC

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Human Androgen Receptor (ANDR).

Purification: Peptide Affinity Purified Rabbit Polyclonal Antibody.

Isotype: IgG

Conjugation: Unconjugated

Specificity: This Androgen Receptor (ANDR) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 365-392 amino acids from human Androgen Receptor (ANDR).

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Swiss Prot: P10275

Buffer: PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Note: This product is for research use only.